

AMENDMENTS TO SPECIFICATION

1. On page 5, amend the section consisting of line 22:

--in the direction of arrow Q though ~~conduit 40~~ conduit 40A and open valve 38 into hose 29, can be--

On page 6, amend the section consisting of line 2:

--is installed, the lower end of the casing is sealed seal and a plurality of small openings are--

[NOTE: First line on each page is numbered "0".]

2. On page 6, amend the section consisting of lines 19 to 21:

--Rotary table 28 rotates hollow drill pipe 48 and drill ~~bit 19~~ bit 19A in conventional fashion to bore a hole 41 in the ground 45. Motor 57 provides motive power for table 28. ~~Bit 19~~ Bit 19A produces cuttings 40 as it bores through ground 45.--

- 1 3. On page 7, amend the section consisting of line 4:
2
3
4 -clay swells and facilitates the upward travel of drilling mud intermediate pipe ~~ipie~~
5 48 and the---
6
- 7 4. On page 7, amend the section consisting of line 16:
8
9 -~~precessed~~ processed with the particle separation apparatus of Figs. 3 and 4, the
10 mud ordinarily--
11
12
- 13 5. On page 8, amend the section consisting of lines 1 and 2:
14
15 -that is formed through the center of disk 26. Shaft 19 does not contact disk 26.
16 Disks 26 and 20 ~~26 and 27~~ rotate simultaneously with shaft 19 and, when
17 apparatus 100 is used in--
18
19
- 20 6. On page 15, amend the section consisting of line 5:
21
22 -less than about 5% by weight solids. The solids consist ~~consistp~~ primarily--
23
24
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26
27
28